

MT. Davis



RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/256,237

DATE: 05/06/2003

TIME: 11:11:10

Input Set : N:\CrF3\RULE60\09256237.RAW.txt

Output Set: N:\CRF4\05062003\I256237.raw

#

32

KD

5-18-03

SEQUENCE LISTING

3 (1) GENERAL INFORMATION:

5 (i) APPLICANT: Heidtmann, Hans H.

6 Mueller, Rolf

7 Sedlacek, Hans-Harald

9 (ii) TITLE OF INVENTION: NUCLEIC ACID CONSTRUCT FOR EXPRESSING

10 ACTIVE SUBSTANCES WHICH CAN BE ACTIVATED BY PROTEASES,

AND

11 PREPARATION AND USE

13 (iii) NUMBER OF SEQUENCES: 62

15 (iv) CORRESPONDENCE ADDRESS:

16 (A) ADDRESSEE: Foley & Lardner

17 (B) STREET: 3000 K Street, N.W., Suite 500

18 (C) CITY: Washington

19 (D) STATE: D.C.

20 (E) COUNTRY: USA

21 (F) ZIP: 20007-5109

23 (v) COMPUTER READABLE FORM:

24 (A) MEDIUM TYPE: Floppy disk

25 (B) COMPUTER: IBM PC compatible

26 (C) OPERATING SYSTEM: PC-DOS/MS-DOS

27 (D) SOFTWARE: PatentIn Release #1.0, Version #1.30

29 (vi) CURRENT APPLICATION DATA:

C--> 30 (A) APPLICATION NUMBER: US/09/256,237

C--> 31 (B) FILING DATE: 24-Feb-1999

32 (C) CLASSIFICATION:

34 (vii) PRIOR APPLICATION DATA:

W--> 36 (A) APPLICATION NUMBER: US/09/008,308

37 (B) FILING DATE: 16-JAN-1998

W--> 39 (A) APPLICATION NUMBER: DE 197 01 141.1

40 (B) FILING DATE: 16-JAN-1997

42 (viii) ATTORNEY/AGENT INFORMATION:

43 (A) NAME: Sandercock, Colin G.

44 (B) REGISTRATION NUMBER: 31,298

45 (C) REFERENCE/DOCKET NUMBER: 026083/0189

47 (ix) TELECOMMUNICATION INFORMATION:

48 (A) TELEPHONE: (202)672-5300

49 (B) TELEFAX: (202)672-5399

50 (C) TELEX: 904136

53 (2) INFORMATION FOR SEQ ID NO: 1:

55 (i) SEQUENCE CHARACTERISTICS:

56 (A) LENGTH: 4 amino acids

57 (B) TYPE: amino acid

58 (C) STRANDEDNESS:

ENTERED

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59          (D) TOPOLOGY: linear
61      (ii) MOLECULE TYPE: peptide
66      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
W--> 68      Xaa Xaa Arg Xaa
69          1
71      (2) INFORMATION FOR SEQ ID NO: 2:
73          (i) SEQUENCE CHARACTERISTICS:
74              (A) LENGTH: 68 base pairs
75              (B) TYPE: nucleic acid
76              (C) STRANDEDNESS: double
77              (D) TOPOLOGY: linear
W--> 79      (ii) MOLECULE TYPE: DNA
84      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
86      AGCAGGTGTT GGGAGGCAGC AGGTGTTGGG AGGCAGCAGG TGTTGGGAGG CAGCAGGTGT      60
88      TGGGAGGC      68
90      (2) INFORMATION FOR SEQ ID NO: 3:
92          (i) SEQUENCE CHARACTERISTICS:
93              (A) LENGTH: 41 base pairs
94              (B) TYPE: nucleic acid
95              (C) STRANDEDNESS: double
96              (D) TOPOLOGY: linear
W--> 98      (ii) MOLECULE TYPE: DNA
103      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
105      GGCCGATGGG CAGATAGAGG GGGCCGATGG GCAGATAGAG G      41
107      (2) INFORMATION FOR SEQ ID NO: 4:
109          (i) SEQUENCE CHARACTERISTICS:
110              (A) LENGTH: 5 amino acids
111              (B) TYPE: amino acid
112              (C) STRANDEDNESS:
113              (D) TOPOLOGY: linear
115          (ii) MOLECULE TYPE: peptide
117          (v) FRAGMENT TYPE: internal
122      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
124      Cys Pro Gly Arg Val
125          1      5
127      (2) INFORMATION FOR SEQ ID NO: 5:
129          (i) SEQUENCE CHARACTERISTICS:
130              (A) LENGTH: 6 amino acids
131              (B) TYPE: amino acid
132              (C) STRANDEDNESS:
133              (D) TOPOLOGY: linear
135          (ii) MOLECULE TYPE: peptide
137          (v) FRAGMENT TYPE: internal
142      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
144      Cys Pro Gly Arg Val Val
145          1      5
147      (2) INFORMATION FOR SEQ ID NO: 6:
149          (i) SEQUENCE CHARACTERISTICS:
150              (A) LENGTH: 5 amino acids

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151 (B) TYPE: amino acid
152 (C) STRANDEDNESS:
153 (D) TOPOLOGY: linear
155 (ii) MOLECULE TYPE: peptide
157 (v) FRAGMENT TYPE: internal
162 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
164 Cys Pro Gly Arg Ile
165 1 5
167 (2) INFORMATION FOR SEQ ID NO: 7:
169 (i) SEQUENCE CHARACTERISTICS:
170 (A) LENGTH: 6 amino acids
171 (B) TYPE: amino acid
172 (C) STRANDEDNESS:
173 (D) TOPOLOGY: linear
175 (ii) MOLECULE TYPE: peptide
177 (v) FRAGMENT TYPE: internal
182 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
184 Cys Pro Gly Arg Ile Val
185 1 5
187 (2) INFORMATION FOR SEQ ID NO: 8:
189 (i) SEQUENCE CHARACTERISTICS:
190 (A) LENGTH: 4 amino acids
191 (B) TYPE: amino acid
192 (C) STRANDEDNESS:
193 (D) TOPOLOGY: linear
195 (ii) MOLECULE TYPE: peptide
197 (v) FRAGMENT TYPE: internal
202 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
204 Pro Arg Phe Lys
205 1
207 (2) INFORMATION FOR SEQ ID NO: 9:
209 (i) SEQUENCE CHARACTERISTICS:
210 (A) LENGTH: 5 amino acids
211 (B) TYPE: amino acid
212 (C) STRANDEDNESS:
213 (D) TOPOLOGY: linear
215 (ii) MOLECULE TYPE: peptide
217 (v) FRAGMENT TYPE: internal
222 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:
224 Pro Arg Phe Lys Ile
225 1 5
227 (2) INFORMATION FOR SEQ ID NO: 10:
229 (i) SEQUENCE CHARACTERISTICS:
230 (A) LENGTH: 6 amino acids
231 (B) TYPE: amino acid
232 (C) STRANDEDNESS:
233 (D) TOPOLOGY: linear
235 (ii) MOLECULE TYPE: peptide
237 (v) FRAGMENT TYPE: internal

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242 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:
244 Pro Arg Phe Lys Ile Ile
245 1 5
247 (2) INFORMATION FOR SEQ ID NO: 11:
249 (i) SEQUENCE CHARACTERISTICS:
250 (A) LENGTH: 6 amino acids
251 (B) TYPE: amino acid
252 (C) STRANDEDNESS:
253 (D) TOPOLOGY: linear
255 (ii) MOLECULE TYPE: peptide
257 (v) FRAGMENT TYPE: internal
262 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:
264 Pro Arg Phe Lys Ile Val
265 1 5
267 (2) INFORMATION FOR SEQ ID NO: 12:
269 (i) SEQUENCE CHARACTERISTICS:
270 (A) LENGTH: 5 amino acids
271 (B) TYPE: amino acid
272 (C) STRANDEDNESS:
273 (D) TOPOLOGY: linear
275 (ii) MOLECULE TYPE: peptide
277 (v) FRAGMENT TYPE: internal
282 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12:
284 Arg Arg Phe Phe Leu
285 1 5
287 (2) INFORMATION FOR SEQ ID NO: 13:
289 (i) SEQUENCE CHARACTERISTICS:
290 (A) LENGTH: 6 amino acids
291 (B) TYPE: amino acid
292 (C) STRANDEDNESS:
293 (D) TOPOLOGY: linear
295 (ii) MOLECULE TYPE: peptide
297 (v) FRAGMENT TYPE: internal
302 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 13:
304 Arg Arg Phe Phe Leu His
305 1 5
307 (2) INFORMATION FOR SEQ ID NO: 14:
309 (i) SEQUENCE CHARACTERISTICS:
310 (A) LENGTH: 6 amino acids
311 (B) TYPE: amino acid
312 (C) STRANDEDNESS:
313 (D) TOPOLOGY: linear
315 (ii) MOLECULE TYPE: peptide
317 (v) FRAGMENT TYPE: internal
322 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 14:
324 Arg Arg Phe Phe Leu Val
325 1 5
327 (2) INFORMATION FOR SEQ ID NO: 15:
329 (i) SEQUENCE CHARACTERISTICS:

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330 (A) LENGTH: 5 amino acids
331 (B) TYPE: amino acid
332 (C) STRANDEDNESS:
333 (D) TOPOLOGY: linear
335 (ii) MOLECULE TYPE: peptide
337 (v) FRAGMENT TYPE: internal
342 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 15:
344 Arg Arg Phe Phe Ile
345 1 5
347 (2) INFORMATION FOR SEQ ID NO: 16:
349 (i) SEQUENCE CHARACTERISTICS:
350 (A) LENGTH: 6 amino acids
351 (B) TYPE: amino acid
352 (C) STRANDEDNESS:
353 (D) TOPOLOGY: linear
355 (ii) MOLECULE TYPE: peptide
357 (v) FRAGMENT TYPE: internal
362 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 16:
364 Arg Arg Phe Phe Ile His
365 1 5
367 (2) INFORMATION FOR SEQ ID NO: 17:
369 (i) SEQUENCE CHARACTERISTICS:
370 (A) LENGTH: 6 amino acids
371 (B) TYPE: amino acid
372 (C) STRANDEDNESS:
373 (D) TOPOLOGY: linear
375 (ii) MOLECULE TYPE: peptide
377 (v) FRAGMENT TYPE: internal
382 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 17:
384 Arg Arg Phe Phe Ile Val
385 1 5
387 (2) INFORMATION FOR SEQ ID NO: 18:
389 (i) SEQUENCE CHARACTERISTICS:
390 (A) LENGTH: 8 amino acids
391 (B) TYPE: amino acid
392 (C) STRANDEDNESS:
393 (D) TOPOLOGY: linear
395 (ii) MOLECULE TYPE: peptide
397 (v) FRAGMENT TYPE: internal
402 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 18:
404 Ser Phe Ser Ile Gln Tyr Ile Val
405 1 5
407 (2) INFORMATION FOR SEQ ID NO: 19:
409 (i) SEQUENCE CHARACTERISTICS:
410 (A) LENGTH: 8 amino acids
411 (B) TYPE: amino acid
412 (C) STRANDEDNESS:
413 (D) TOPOLOGY: linear
415 (ii) MOLECULE TYPE: peptide

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/256,237

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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos.1,2,4

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/256,237

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Input Set : N:\Crf3\RULE60\09256237.RAW.txt

Output Set: N:\CRF4\05062003\I256237.raw

L:30 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]
L:31 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]
L:39 M:238 W: Alpha Fields not Ordered, Reordered [(A) APPLICATION NUMBER:] of (1)(vii)
L:68 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:79 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=2
L:98 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=3